

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                      | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|   |                                  |              |    |                        |          |
|---|----------------------------------|--------------|----|------------------------|----------|
| LM Start                                  |                                  | Rating **    | A  | Issue No.              | <b>6</b> |
| LM End                                    |                                  | Issue Type + | Ma | Location *             |          |
| Category                                  | Earthen Levee                    |              |    | GPS Latitude/Longitude |          |
|   |                                  |              |    | Start                  | End      |
| Item                                      | Operations & Maintenance Manuals |              |    |                        |          |
| DWR ID                                    | DWR_RD2064_01_f_2014_6           |              |    |                        |          |
| Comment Code                              |                                  |              |    |                        |          |
|   |                                  |              |    |                        |          |
| Inspector Comment                         |                                  |              |    |                        |          |
| District 2064 has the O&M Manual on hand. |                                  |              |    |                        |          |

No Photos

|  |                                |              |    |                        |          |
|--|--------------------------------|--------------|----|------------------------|----------|
| LM Start   |                                | Rating **    | A  | Issue No.              | <b>7</b> |
| LM End   |                                | Issue Type + | Ma | Location *             |          |
| Category   | Earthen Levee                  |              |    | GPS Latitude/Longitude |          |
|  |                                |              |    | Start                  | End      |
| Item   | Emergency Supplies & Equipment |              |    |                        |          |
| DWR ID   | DWR_RD2064_01_f_2014_7         |              |    |                        |          |
| Comment Code   |                                |              |    |                        |          |
|  |                                |              |    |                        |          |
| Inspector Comment  |                                |              |    |                        |          |
| District has an adequate supply of flood fight materials in storage. |                                |              |    |                        |          |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

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|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                               |              |                        |            |          |
|--|-------------------------------|--------------|------------------------|------------|----------|
| LM Start   |                               | Rating **    | A                      | Issue No.  | <b>8</b> |
| LM End   |                               | Issue Type + | Ma                     | Location * |          |
| Category   | Earthen Levee                 |              | GPS Latitude/Longitude |            |          |
|  |                               |              | Start                  | End        |          |
| Item   | Flood Preparedness & Training |              |                        |            |          |
| DWR ID   | DWR_RD2064_01_f_2014_8        |              |                        |            |          |
| Comment Code                                       |                               |              |                        |            |          |
| Inspector Comment                                  |                               |              |                        |            |          |
| District 2064 has been trained for flood fighting. |                               |              |                        |            |          |

No Photos

|  |                             |              |                        |               |           |
|--|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.06</b>                 | Rating **    | A/W                    | Issue No.     | <b>31</b> |
| LM End   | <b>0.06</b>                 | Issue Type + | Ma                     | Location *    |           |
| Category   | Supplemental                |              | GPS Latitude/Longitude |               |           |
|  |                             |              | Start                  | End           |           |
| Item   | DWR UCIP LMA Responsibility |              | 37.709804 °            | 37.709804 °   |           |
|  |                             |              | -121.267559 °          | -121.267559 ° |           |
| DWR ID   |                             |              |                        |               |           |
| Comment Code   |                             |              |                        |               |           |
| Inspector Comment  |                             |              |                        |               |           |
| FS_ID:43603<br>DS_ID:20511<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Debris removed from flap gate on waterside tow<br>FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 21 feet below the crown. Concrete U-shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Flap gate on the WS end. Flashboard slots on the landside (LS) headwall. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.07)].<br>FS Date: 3/2/2015 |                             |              |                        |               |           |

Photo 1 of 3 : UCIP\_SP\_2018\_43603\_31258.jpg



Slide gate in concrete riser on WS shoulder.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

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|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.06                        | Rating **    | A/W | Issue No.              | 31 (cont)     |
| LM End   | 0.06                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 37.709804 °            | 37.709804 °   |
|  |                             |              |     | -121.267559 °          | -121.267559 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:43603<br>DS_ID:20511<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: Debri removed from flap gate on waterside tow<br>FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box<br>drainage culvert through the levee, 21 feet below the crown. Concrete U-<br>shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot<br>concrete riser on the waterside (WS) slope. Flap gate on the WS end.<br>Flashboard slots on the landside (LS) headwall. [Additional<br>Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M<br>Manual 3, December 1968, (HLM 0.07)].<br>FS Date: 3/2/2015 |                             |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>0.06</b> | Rating **    | A/W | Issue No.  | <b>31 (cont)</b> |
| LM End   | <b>0.06</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2018\_43603\_31257.jpg



Flap gate and U shaped headwall on WS toe. Debris blocking closure of gate.

Photo 3 of 3 : UCIP\_SP\_2018\_43603\_31256.jpg



Concrete headwall at inlet on LS toe.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

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Levee Inspections**

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### Reclamation District No. 2064 River Junction

| Waterway                      | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 1.65                        | Rating **    | A/W | Issue No.              | 37            |
| LM End   | 1.65                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 37.690072 °            | 37.690072 °   |
|  |                             |              |     | -121.269823 °          | -121.269823 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:18748<br>DS_ID:20514<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 15 feet below the crown. Slide gate in a concrete riser on the waterside (WS) shoulder. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.65)].<br>FS Date: 8/27/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_18748\_31380.jpg



Concrete headwall on LS toe.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.65</b> | Rating **    | A/W | Issue No.  | <b>37 (cont)</b> |
| LM End   | <b>1.65</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2018\_18748\_31379.jpg



Slide gate in concrete vault on WS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



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|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 1.65                        | Rating **    | A/W | Issue No.              | 37 (cont)     |
| LM End   | 1.65                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 37.690072 °            | 37.690072 °   |
|  |                             |              |     | -121.269823 °          | -121.269823 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:18748<br>DS_ID:20514<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 15 feet below the crown. Slide gate in a concrete riser on the waterside (WS) shoulder. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.65)].<br>FS Date: 8/27/2013 |                             |              |     |                        |               |

Photo 3 of 3 : UCIP\_SP\_2018\_18748\_31378.jpg



Flap gate on WS toe.

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.94                        | Rating **    | M  | Issue No.              | 38            |
| LM End  | 1.94                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 37.689900 °            | 37.689900 °   |
|   |                             |              |    | -121.264802 °          | -121.264802 ° |
| DWR ID  |                             |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:18763<br>DS_ID:20515<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Culvert filled nearly to the top with soil.<br>FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 14.7 feet below the crown. Slide gate in a concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.93)].<br>FS Date: 8/27/2013 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_18763\_31402.jpg



Slide gate in Concrete riser on WS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

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### Reclamation District No. 2064 River Junction

| Waterway                      | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|   |                             |              |    |                        |               |  |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 1.94                        | Rating **    | M  | Issue No.              | 38 (cont)     |  |
| LM End  | 1.94                        | Issue Type + | Ma | Location *             |               |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|   |                             |              |    | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 37.689900 °            | 37.689900 °   |  |
|   |                             |              |    | -121.264802 °          | -121.264802 ° |  |
| DWR ID  |                             |              |    |                        |               |  |
| Comment Code  |                             |              |    |                        |               |  |
|   |                             |              |    |                        |               |  |
| Inspector Comment   |                             |              |    |                        |               |  |
| FS_ID:18763<br>DS_ID:20515<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Culvert filled nearly to the top with soil.<br>FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 14.7 feet below the crown. Slide gate in a concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.93)].<br>FS Date: 8/27/2013 |                             |              |    |                        |               |  |

Photo 2 of 3 : UCIP\_SP\_2018\_18763\_31401.jpg



Concrete U-shaped headwall on LS toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.94</b> | Rating **    | M  | Issue No.  | <b>38 (cont)</b> |
| LM End   | <b>1.94</b> | Issue Type + | Ma | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2018\_18763\_31400.jpg



Concrete U-shaped headwall on LS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

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| Waterway                      | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.00</b>             | Rating **    | C                      | Issue No.     | <b>21</b> |
| LM End   | <b>3.00</b>             | Issue Type + | Ma                     | Location *    |           |
| Category   | Supplemental            |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | 2017 Storm Damage       |              | 37.680572 °            | 37.680572 °   |           |
|  |                         |              | -121.258430 °          | -121.258433 ° |           |
| DWR ID   | DWR_RD2064_01_f_2017_21 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| Inspector Comment  |                         |              |                        |               |           |
| Levee Evaluation Comments<br>Description:<br>Site ID No:78<br>Site Designation:LMA-32<br>Repair Type: Erosion<br>Rating:Area of Concern<br>Field Date:6/8/2017<br>Notes: minor erosion on ws, not within levee prism, no action required |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>3.26</b>             | Rating **    | A/W                    | Issue No.     | <b>22</b> |
| LM End  | <b>3.39</b>             | Issue Type + | Ma                     | Location *    |           |
| Category  | Supplemental            |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | 2017 Storm Damage       |              | 37.679100 °            | 37.677800 °   |           |
|   |                         |              | -121.262600 °          | -121.264400 ° |           |
| DWR ID  | DWR_RD2064_01_f_2017_22 |              |                        |               |           |
| Comment Code  |                         |              |                        |               |           |
| Inspector Comment   |                         |              |                        |               |           |
| Levee Evaluation Comments<br>Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length.<br>Site ID No:582<br>Site Designation:LMA-488<br>Repair Type: Erosion<br>Rating:Serious<br>Field Date:8/14/2017<br>Notes: |                         |              |                        |               |           |

Photo 1 of 3 : SP\_2018\_RD2064\_313\_22\_20180329\_00005.jpg



|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



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|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                         |              |     |                        |              |
|--|-------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 3.26                    | Rating **    | A/W | Issue No.              | 22 (cont)    |
| LM End   | 3.39                    | Issue Type + | Ma  | Location *             |              |
| Category   | Supplemental            |              |     | GPS Latitude/Longitude |              |
|  |                         |              |     | Start                  | End          |
| Item   | 2017 Storm Damage       |              |     | 37.679100°             | 37.677800°   |
|  |                         |              |     | -121.262600°           | -121.264400° |
| DWR ID   | DWR_RD2064_01_f_2017_22 |              |     |                        |              |
| Comment Code   |                         |              |     |                        |              |
|  |                         |              |     |                        |              |
| Inspector Comment  |                         |              |     |                        |              |
| Levee Evaluation Comments  |                         |              |     |                        |              |
| Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length. |                         |              |     |                        |              |
| Site ID No:582   |                         |              |     |                        |              |
| Site Designation:LMA-488   |                         |              |     |                        |              |
| Repair Type: Erosion   |                         |              |     |                        |              |
| Rating:Serious   |                         |              |     |                        |              |
| Field Date:8/14/2017   |                         |              |     |                        |              |
| Notes:   |                         |              |     |                        |              |

Photo 2 of 3 : SP\_2018\_RD2064\_313\_22\_20180329\_00006.jpg



Photo 3 of 3 : SP\_2018\_RD2064\_313\_22\_20180329\_00007.jpg



|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



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|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 3.31                    | Rating **    | A/W | Issue No.              | 10            |
| LM End   | 3.45                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Animal Control          |              |     | 37.678708 °            | 37.676786 °   |
|  |                         |              |     | -121.263415 °          | -121.264207 ° |
| DWR ID   | DWR_RD2064_01_f_2017_10 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| A1 : Exterminate rodents and backfill and compact or grout burrows.  |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Significant baiting has greatly reduced rodent activity. Two small borrow/mounds observed. Control program should continue due to nearby slash pile. |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD2064\_313\_10\_20180411\_00069.jpg



View of former landside rodent area and slash pile in distance. Rodent control program has largely mitigated the problem, but should continue.

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.57                        | Rating **    | M  | Issue No.              | 43            |
| LM End  | 3.57                        | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 37.675266 °            | 37.675266 °   |
|   |                             |              |    | -121.263421 °          | -121.263421 ° |
| DWR ID  |                             |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:22732   |                             |              |    |                        |               |
| DS_ID:20525   |                             |              |    |                        |               |
| EP_NO: N/A  |                             |              |    |                        |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |               |
| Crossing Status: Found  |                             |              |    |                        |               |
| UCIP Comments: Need to determine if pipe was actually removed from levee.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe). [Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)]. |                             |              |    |                        |               |
| FS Date: 8/27/2013  |                             |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2018\_22732\_38465.jpg



Pipe visible on LS toe.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                      | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.57                        | Rating **    | M  | Issue No.              | 43 (cont)     |
| LM End   | 3.57                        | Issue Type + | Ma | Location *             |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 37.675266 °            | 37.675266 °   |
|  |                             |              |    | -121.263421 °          | -121.263421 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:22732<br>DS_ID:20525<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Need to determine if pipe was actually removed from levee.<br>FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe).<br>[Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)].<br>FS Date: 8/27/2013 |                             |              |    |                        |               |

Photo 2 of 2 : UCIP\_SP\_2018\_22732\_38464.jpg



Pipe with welded steel plate over LS end at LS toe.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.82                    | Rating **    | A/W | Issue No.              | 26            |
| LM End   | 4.85                    | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental            |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | 2017 Storm Damage       |              |     | 37.671730 °            | 37.672140 °   |
|  |                         |              |     | -121.246820 °          | -121.246800 ° |
| DWR ID   | DWR_RD2064_01_f_2017_26 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
|  |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Levee Evaluation Comments  |                         |              |     |                        |               |
| Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length. |                         |              |     |                        |               |
| Site ID No:583   |                         |              |     |                        |               |
| Site Designation:LMA-489   |                         |              |     |                        |               |
| Repair Type: Erosion   |                         |              |     |                        |               |
| Rating:Area of Concern   |                         |              |     |                        |               |
| Field Date:8/14/2017   |                         |              |     |                        |               |
| Notes: Minor toe erosion   |                         |              |     |                        |               |

Photo 1 of 3 : SP\_2018\_RD2064\_313\_26\_20180329\_00014.jpg



|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                      | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 San Joaquin River | Right | 5.56       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                         |              |     |                        |               |  |
|--|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 4.82                    | Rating **    | A/W | Issue No.              | 26 (cont)     |  |
| LM End   | 4.85                    | Issue Type + | Ma  | Location *             |               |  |
| Category   | Supplemental            |              |     | GPS Latitude/Longitude |               |  |
|  |                         |              |     | Start                  | End           |  |
| Item   | 2017 Storm Damage       |              |     | 37.671730 °            | 37.672140 °   |  |
|  |                         |              |     | -121.246820 °          | -121.246800 ° |  |
| DWR ID   | DWR_RD2064_01_f_2017_26 |              |     |                        |               |  |
| Comment Code   |                         |              |     |                        |               |  |
|  |                         |              |     |                        |               |  |
| Inspector Comment  |                         |              |     |                        |               |  |
| Levee Evaluation Comments  |                         |              |     |                        |               |  |
| Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length. |                         |              |     |                        |               |  |
| Site ID No:583   |                         |              |     |                        |               |  |
| Site Designation:LMA-489   |                         |              |     |                        |               |  |
| Repair Type: Erosion   |                         |              |     |                        |               |  |
| Rating:Area of Concern   |                         |              |     |                        |               |  |
| Field Date:8/14/2017   |                         |              |     |                        |               |  |
| Notes: Minor toe erosion   |                         |              |     |                        |               |  |

Photo 2 of 3 : SP\_2018\_RD2064\_313\_26\_20180329\_00015.jpg



Photo 3 of 3 : SP\_2018\_RD2064\_313\_26\_20180329\_00016.jpg



|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.82</b> | Rating **    | A/W | Issue No.  | <b>26 (cont)</b> |
| LM End   | <b>4.85</b> | Issue Type + | Ma  | Location * |                  |

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

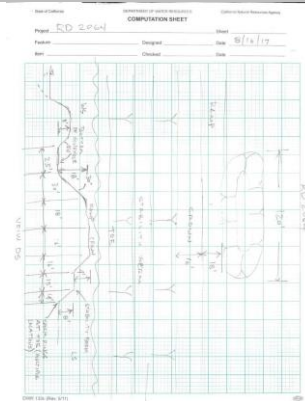
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.71</b>             | Rating **    | A/W                    | Issue No.     | <b>20</b> |
| LM End   | <b>0.71</b>             | Issue Type + | Ma                     | Location *    |           |
| Category   | Supplemental            |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | 2017 Storm Damage       |              | 37.664200 °            | 37.664200 °   |           |
|  |                         |              | -121.230420 °          | -121.230420 ° |           |
| DWR ID   | DWR_RD2064_02_f_2017_20 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| Inspector Comment  |                         |              |                        |               |           |
| Levee Evaluation Comments<br>Description: POI is a waterside sinkhole with an existing seepage berm on the landside. This site was flood fought in 2017 with sack rings.<br>Site ID No: 584<br>Site Designation: LMA-490<br>Repair Type: Stability<br>Rating: Area of Concern<br>Field Date: 8/16/2017<br>Notes: POI is a waterside sinkhole |                         |              |                        |               |           |

Photo 1 of 1 : SP\_2018\_RD2064\_314\_20\_20180329\_00003.jpg



|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.41</b>             | Rating **    | M                      | Issue No.     | <b>19</b> |
| LM End   | <b>1.41</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 37.670467 °            | 37.670467 °   |           |
|  |                         |              | -121.224619 °          | -121.224619 ° |           |
| DWR ID   | DWR_RD2064_02_s_2018_19 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |
| Inspector Comment  |                         |              |                        |               |           |

Photo 1 of 1 : SP\_2018\_RD2064\_314\_19\_20180411\_00069.jpg



Landside vegetation along fence should be reduced to allow inspection and access to slope and toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.70                    | Rating **    | M  | Issue No.              | 21            |
| LM End  | 2.76                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 37.684271 °            | 37.684943 °   |
|   |                         |              |    | -121.220939 °          | -121.220247 ° |
| DWR ID  | DWR_RD2064_02_f_2017_21 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight.            |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Trim trees and remove vines to allow visibility and access to landside slope and toe. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD2064\_314\_21\_20180329\_00004.jpg



Trim trees and remove vines to allow visibility and access to landside slope and toe.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.76                    | Rating **    | A/W | Issue No.              | 22            |
| LM End   | 2.82                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Trim / Thin Trees       |              |     | 37.684940 °            | 37.685703 °   |
|  |                         |              |     | -121.220246 °          | -121.219727 ° |
| DWR ID   | DWR_RD2064_02_f_2017_22 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
|  |                         |              |     |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 4.41                        | Rating **    | A/W | Issue No.              | 30            |
| LM End  | 4.41                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 37.696386 °            | 37.696386 °   |
|   |                             |              |     | -121.202963 °          | -121.202963 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:19117<br>DS_ID:20549<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)].<br>FS Date: 8/28/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_19117\_32069.jpg



Headwall on LS toe.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.41</b> | Rating **    | A/W | Issue No.  | <b>30 (cont)</b> |
| LM End   | <b>4.41</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2018\_19117\_32068.jpg



Headwall on WS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|   |                             |              |     |                        |               |     |
|---|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start  | 4.41                        | Rating **    | A/W | Issue No.              | 30 (cont)     |     |
| LM End  | 4.41                        | Issue Type + | Ma  | Location *             |               |     |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |     |
|   |                             |              |     | Start                  |               | End |
| Item  | DWR UCIP LMA Responsibility |              |     | 37.696386 °            | 37.696386 °   |     |
|   |                             |              |     | -121.202963 °          | -121.202963 ° |     |
| DWR ID  |                             |              |     |                        |               |     |
| Comment Code  |                             |              |     |                        |               |     |
|   |                             |              |     |                        |               |     |
| Inspector Comment   |                             |              |     |                        |               |     |
| FS_ID:19117<br>DS_ID:20549<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)].<br>FS Date: 8/28/2013 |                             |              |     |                        |               |     |

Photo 3 of 3 : UCIP\_SP\_2018\_19117\_32067.jpg



Headwall on LS toe.

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 4.51                        | Rating **    | A/W | Issue No.              | 31            |
| LM End  | 4.51                        | Issue Type + | Ma  | Location *             |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 37.696892 °            | 37.696892 °   |
|   |                             |              |     | -121.201228 °          | -121.201228 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:22793<br>DS_ID:20550<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends, and a flap gate on the waterside (WS) end. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.47)].<br>FS Date: 8/28/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_22793\_38842.jpg



Concrete headwall on WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|          |                             |              |     |                        |               |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 4.51                        | Rating **    | A/W | Issue No.              | 31 (cont)     |
| LM End   | 4.51                        | Issue Type + | Ma  | Location *             |               |
| Category | Supplemental                |              |     | GPS Latitude/Longitude |               |
|          |                             |              |     | Start                  | End           |
| Item     | DWR UCIP LMA Responsibility |              |     | 37.696892 °            | 37.696892 °   |
|          |                             |              |     | -121.201228 °          | -121.201228 ° |
| DWR ID   |                             |              |     |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:22793  
DS\_ID:20550  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends, and a flap gate on the waterside (WS) end. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.47)].  
FS Date: 8/28/2013

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.51</b> | Rating **    | A/W | Issue No.  | <b>31 (cont)</b> |
| LM End   | <b>4.51</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2018\_22793\_38841.jpg



Concrete headwall on LS toe.

Photo 3 of 3 : UCIP\_SP\_2018\_22793\_38844.jpg



Concrete headwall on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.64                        | Rating **    | A/W | Issue No.              | 32            |
| LM End   | 4.64                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 37.697101 °            | 37.697101 °   |
|  |                             |              |     | -121.199048 °          | -121.199048 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:19120<br>DS_ID:20551<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. Spillway damaged due to uprooted tree. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.59)].<br>FS Date: 8/28/2013 |                             |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.64</b> | Rating **    | A/W | Issue No.  | <b>32 (cont)</b> |
| LM End   | <b>4.64</b> | Issue Type + | Ma  | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2018\_19120\_32079.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_19120\_32078.jpg



Concrete headwall on WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

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|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.78                        | Rating **    | A/W | Issue No.              | 33 (cont)     |
| LM End   | 4.78                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 37.696888 °            | 37.696888 °   |
|  |                             |              |     | -121.196511 °          | -121.196511 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:19122<br>DS_ID:20552<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.73)].<br>FS Date: 8/28/2013 |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2018\_19122\_32082.jpg



Concrete headwall on WS toe.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.78</b> | Rating **    | A/W | Issue No.  | <b>33 (cont)</b> |
| LM End   | <b>4.78</b> | Issue Type + | Ma  | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2018\_19122\_32081.jpg



Concrete headwall on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.92                        | Rating **    | A/W | Issue No.              | 36            |
| LM End   | 4.92                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 37.696146 °            | 37.696146 °   |
|  |                             |              |     | -121.194093 °          | -121.194093 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:19143<br>DS_ID:20553<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.88)].<br>FS Date: 8/28/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_19143\_32122.jpg



Concrete headwall on LS toe.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.92</b> | Rating **    | A/W | Issue No.  | <b>36 (cont)</b> |
| LM End   | <b>4.92</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2018\_19143\_32121.jpg



Concrete headwall on WS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|





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Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 2064 River Junction

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Stanislaus River | Right | 6.08       | 04/11/2018<br>04/11/2018 | Keith Millard |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 5.10                        | Rating **    | A/W | Issue No.              | 37 (cont)     |
| LM End   | 5.10                        | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 37.697483 °            | 37.697483 °   |
|  |                             |              |     | -121.191332 °          | -121.191332 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:22794<br>DS_ID:20554<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.05)].<br>FS Date: 8/28/2013 |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2018\_22794\_38850.jpg



Concrete headwall on LS toe.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>5.10</b> | Rating **    | A/W | Issue No.  | <b>37 (cont)</b> |
| LM End   | <b>5.10</b> | Issue Type + | Ma  | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2018\_22794\_38853.jpg



Concrete headwall on LS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|